

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/501,964 A
Source: IFW16
Date Processed by STIC: 02/06/2007

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/06/2007

PATENT APPLICATION: US/10/501,964A

TIME: 11:03:05

Input Set : E:\IPN22867_01_US(New_Seq).txt

Output Set: N:\CRF4\02062007\J501964A.raw

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1 <110> APPLICANT: LEE, SANG KYOU
3 <120> TITLE OF INVENTION: BIOMOLECULE TRANSDUCTION MOTIF SIM-2-BTM AND THE USE THEREOF
5 <130> FILE REFERENCE: PN-22867-PCT
C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/501,964A
C--> 7 <141> CURRENT FILING DATE: 2005-05-19
7 <150> PRIOR APPLICATION NUMBER: KR-10-2002-0003184
8 <151> PRIOR FILING DATE: 2002-01-19
10 <160> NUMBER OF SEQ ID NOS: 20
12 <170> SOFTWARE: KopatentIn 1.71
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 9
16 <212> TYPE: PRT
17 <213> ORGANISM: Artificial Sequence
19 <220> FEATURE:
20 <223> OTHER INFORMATION: Biomolecule transduction motif
23 <400> SEQUENCE: 1
24 Ala Lys Ala Ala Arg Gln Ala Ala Arg
25 1 5
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 66
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: 5' primer for Sim-2
37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: (4)..(9)
40 <223> OTHER INFORMATION: BamHI site
43 <400> SEQUENCE: 2
44 cgcg gatccg ccaaagccgc ccgccaggcc gcccggtcta gagatcccgt cgtttttacaa 60
46 cgtgac 66
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 26
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: 3' primer for beta-gal
58 <220> FEATURE:
59 <221> NAME/KEY: misc_feature
60 <222> LOCATION: (3)..(8)
61 <223> OTHER INFORMATION: BglII site
64 <400> SEQUENCE: 3
65 gaagatcttt atttttgaca ccagac 26

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Input Set : E:\IPN22867_01_US(New_Seq).txt

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68 <210> SEQ ID NO: 4
69 <211> LENGTH: 75
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: 5' primer for tat
77 <220> FEATURE:
78 <221> NAME/KEY: misc_feature
79 <222> LOCATION: (4)..(9)
80 <223> OTHER INFORMATION: BamHI site
83 <400> SEQUENCE: 4
84 cgcggtatcct atggaaggaa gaagaagcgg agacaaagac gacgatctag agatcccgtc      60
86 gttttacaac gtgac                                                         75
89 <210> SEQ ID NO: 5
90 <211> LENGTH: 18
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: 3' primer for eGFP
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (4)..(8)
101 <223> OTHER INFORMATION: BglII site
104 <400> SEQUENCE: 5
105 gaagatcttt tacttgta                                                    18
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 18
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: 5' primer for B7.1
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (4)..(9)
120 <223> OTHER INFORMATION: BamHI site
123 <400> SEQUENCE: 6
124 cgcggtatccg gccacaca                                                    18
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 18
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: 3' primer for B7.1
136 <220> FEATURE:
137 <221> NAME/KEY: misc_feature
138 <222> LOCATION: (3)..(8)
139 <223> OTHER INFORMATION: BglII site
142 <400> SEQUENCE: 7
143 gaagatcttt acagggcg                                                    18

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146 <210> SEQ ID NO: 8
147 <211> LENGTH: 21
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: 5' primer for Gal4
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (4)..(9)
158 <223> OTHER INFORMATION: XbaI site
161 <400> SEQUENCE: 8
162 cgctctagaa agctactgtc t                               21
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 21
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: 3' primer for Gal4
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (4)..(9)
177 <223> OTHER INFORMATION: HindIII site
180 <400> SEQUENCE: 9
181 cccaagcttc ggcgatacag t                               21
184 <210> SEQ ID NO: 10
185 <211> LENGTH: 119
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Gal4 binding sequence
193 <400> SEQUENCE: 10
194 ctcgaggaca gtactccgct cggaggacag tactccgatac cgtcgactct agagggtata    60
196 taatgcgcc gctcgaattc atcagcttgg cgagattttc aggagctaag gaagctaaa    119
199 <210> SEQ ID NO: 11
200 <211> LENGTH: 45
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: N terminal of BamHI-Sim-2-B7
208 <220> FEATURE:
209 <221> NAME/KEY: misc_feature
210 <222> LOCATION: (4)..(9)
211 <223> OTHER INFORMATION: BamHI site
214 <400> SEQUENCE: 11
215 cgcggatccg ccaaagccgc ccgccaggcc gcccggggcc acaca                45
218 <210> SEQ ID NO: 12
219 <211> LENGTH: 18
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence

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223 <220> FEATURE:
224 <223> OTHER INFORMATION: C terminal of BgIII and B7
227 <220> FEATURE:
228 <221> NAME/KEY: misc_feature
229 <222> LOCATION: (3)..(8)
230 <223> OTHER INFORMATION: BglIII site
233 <400> SEQUENCE: 12
234 gaagatcttt acagggcg
237 <210> SEQ ID NO: 13
238 <211> LENGTH: 81
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: 5' primer for Sim2-A1A2
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (4)..(9)
249 <223> OTHER INFORMATION: BamHI site
252 <400> SEQUENCE: 13
253 cgcgatccg ccaaagccgc ccgccaggcc gcccggggt ctagattcct gagagtgaag
255 ttcagcagga gcgcagagcc c
258 <210> SEQ ID NO: 14
259 <211> LENGTH: 72
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: 3' primer for Sim-2-A1A2
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <222> LOCATION: (4)..(9)
270 <223> OTHER INFORMATION: BglIII site
273 <400> SEQUENCE: 14
274 cccaagcttc ttgtcatagt cgtccttgta gtcgcggccg ccgcgagggg gcagggcctg
276 catgtgaagg gc
279 <210> SEQ ID NO: 15
280 <211> LENGTH: 69
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: 5' primer for Sim-2-CTLA4
288 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
290 <222> LOCATION: (4)..(9)
291 <223> OTHER INFORMATION: BamHI site
294 <400> SEQUENCE: 15
295 cgcgatccg ccaaagccgc ccgccaggcc gcccggggt ctagaaaaat gctaaagaaa
297 agaagccct
300 <210> SEQ ID NO: 16
301 <211> LENGTH: 72

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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/501,964A

TIME: 11:03:05

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Output Set: N:\CRF4\02062007\J501964A.raw

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302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: 3' primer for Sim-2-CTLA4
309 <220> FEATURE:
310 <221> NAME/KEY: misc_feature
311 <222> LOCATION: (4)..(9)
312 <223> OTHER INFORMATION: BglIII site
315 <400> SEQUENCE: 16
316 cccaagcttc ttgtcatagt cgtccttgta gtcgcggccg ccattgatgg gaataaaata 60
318 aggctgaaat tg 72
321 <210> SEQ ID NO: 17
322 <211> LENGTH: 67
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: 5' primer for Sim-2-insulin
330 <220> FEATURE:
331 <221> NAME/KEY: misc_feature
332 <222> LOCATION: (4)..(9)
333 <223> OTHER INFORMATION: BamHI site
336 <400> SEQUENCE: 17
337 cgcggatccg ccaaagccgc ccgccaggcc gcccgggggc aggggtccag ggtggctgga 60
339 ccccagg 67
342 <210> SEQ ID NO: 18
343 <211> LENGTH: 77
344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: 3' primer for Sim-2-insulin
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: (4)..(9)
354 <223> OTHER INFORMATION: BglII site
357 <400> SEQUENCE: 18
358 cccaagcttc ttgtcatagt cgtccttgta gtcgcggccg cgctgggtca agggctttat 60
360 tccatctctc tcggtgc 77
363 <210> SEQ ID NO: 19
364 <211> LENGTH: 5
365 <212> TYPE: PRT
366 <213> ORGANISM: Artificial Sequence
368 <220> FEATURE:
369 <223> OTHER INFORMATION: enterokinase cleavage site
372 <400> SEQUENCE: 19
373 Asp Asp Asp Asp Lys
374 1 5
377 <210> SEQ ID NO: 20
378 <211> LENGTH: 7
379 <212> TYPE: PRT

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VERIFICATION SUMMARY

DATE: 02/06/2007

PATENT APPLICATION: US/10/501,964A

TIME: 11:03:06

Input Set : E:\IPN22867_01_US(New_Seq).txt

Output Set: N:\CRF4\02062007\J501964A.raw

L:7 M:270 C: Current Application Number differs, Replaced Current Application No

L:7 M:271 C: Current Filing Date differs, Replaced Current Filing Date